

SECTION 25**JOINER WORK AND INTERIOR DECORATION**

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22	25.1 REFERENCES	
23	(25A) UNITED STATES PUBLIC HEALTH SERVICE (USPHS) – <i>Handbook on</i>	
24	<i>Sanitation of Vessel Construction</i>	

(25B) CENTER FOR DISEASE CONTROL (CDC), *Recommended Shipbuilding Construction Guidelines for Cruise Vessels To Call on U.S. Ports*

25.2 INTRODUCTION

This Section contains the Contractor Design and Provide general requirements for ceiling systems, joiner work and interior decoration throughout the Vessel.

RESERVATION: *The Vessel Class Theme for Vessels under this Contract shall be “Nautical Heritage Of Transportation On Washington State Waterways: From Native Tribes To Modern Times”. The WSF selection of individual Vessel Names has not, as of this writing, been completed. Selection of Interior Décor , Artwork, Accessories, and Works of Art shall support and amplify the Vessel Class Theme and Vessel Name for each individual Vessel of this Contract. WSF will provide the individual Vessel Names as soon as they become available.*

For information only: WSF has consulted with Andrea Piacentini Design Inc., Andrea Piacentini, (206) 382-8403 for certain aspects of the interior design concepts for this class of Vessels and other WSF Vessels.

For WSF system standardization purposes, End No. 1 of the Vessel shall always be considered the bow, and this designation shall delineate port and starboard, fore and aft wherever they are addressed in the Technical Specification.

25.3 GENERAL

All joiner work, overheads and applied architectural details must be viewed within the context of high use and a life cycle of fifteen (15) years. All items must be evaluated in terms of low maintenance, ease of replacement, and access to wiring and/or plumbing in overheads and behind bulkheads.

All materials and components shall meet USCG requirements. Installation shall comply with U.S. Public Health Service Rat Proofing Requirements of References (25A) and (25B).

All joiner work and overheads shall be installed securely to prevent rattling.

The construction of joiner work shall be of such design as to conceal everything, including electrical cables, wiring boxes, vent and air conditioning ducts, and piping.

1 Concealed framing, molding, hangers and furring used in the erection of bulkheads, linings
2 and ceiling shall be of steel. Steel trim shall be provided at the intersection of linings and
3 joiner bulkhead with overheads. Exposed framing, moldings and trims shall be finished to
4 blend in with the color of the bulkhead finishes.

5 Heavy items that need to be secured to bulkheads, such as berths and lavatories, shall be
6 secured only to structural members or to specially reinforced joiner bulkheads.

7 The overhead system shall be integrated to joiner work lighting, HVAC and miscellaneous
8 systems.

9 Ceilings shall have sufficient suspension attachments to preclude any sagging, vibration or
10 buckling. Ceilings shall be installed squarely to ensure proper fit of ceiling panels for ease of
11 installation and future access.

12 Joiner linings, bulkheads and ceilings shall be provided in all Crew, Officer and Passenger
13 accommodation & vending spaces throughout the Vessel, and in all passageways, vestibules
14 and stairways leading to and on the Passenger Deck and above. Linings shall be provided to
15 cover insulation and/or stiffeners on bulkheads except in Passenger cabins, which shall have
16 joiner lining and/or bulkheads on all interior vertical surfaces.

17 Toilet spaces in and for all Officer and Crew Staterooms shall have the exterior side in way
18 of the Stateroom and passageway treated with a lining and covering matching both color and
19 material of the adjacent space (i.e. Stateroom or passageway). The finish of the interior
20 toilet/shower space shall be waterproof, scratch resistant, readily serviceable/repairable and
21 integrate with seamless floors. Colors shall be consistent with the Contractor's approved
22 Color Boards.

23 Linings bounding wet spaces such as toilets, showers, cleaning gear lockers etc., shall be
24 provided with at least a six (6) inch high coaming on the wet space side adjacent to
25 sheathing. The gap between the panels and coaming, and/or between panel and bottom
26 profile or shoe piece, shall be caulked with non-staining, mildew resistant, permanently
27 elastic caulking material. Coaming shall be welded watertight to the deck on the wet side.

28 The joiner work design shall be such that there are no sharp edges, with outside corners
29 formed with a radius of at least $\frac{3}{4}$ inch.

30 All lighting fixtures and grilles shall be installed tightly to the overhead without any exposed
31 edges.

32 Exhaust and supply grilles shall be finished to blend with the overhead and joiner work
33 colors.

34 Access to overheads shall be provided in public and crew spaces.

1 For sheet metal linings requirements see Section 7 of the Technical Specification

2 **25.4 CONTINUOUS CEILING SYSTEM**

3 Continuous 300mm DANACoustic, or equal, ceiling systems shall be provided in **all**
4 interior spaces on the Passenger Deck and above that are normally accessible to the
5 Passengers or Crew, except the overhead in the electrical distribution rooms and cleaning
6 gear lockers, which shall have no ceiling treatment applied. The continuous ceiling systems
7 shall be identical, except where the WSF Representative may approve otherwise for
8 application in a particular area, and shall have the following characteristics:

9 A. The systems shall be continuous and of modular construction. Each module shall be
10 200 mm inches wide and perforated with 1.8 mm holes on 3.5 mm centers. All units
11 shall have an inlay of 25 mm mineral wool or greater. All units shall be of 0.5 mm
12 stove enameled galvanized steel.

13 B. Each module shall clip into carriers from beneath.

14 C. The suspension system shall consist of parallel carriers with clips at 100 mm
15 intervals. Modules shall be spaced on 1200 mm centers maximum and suspended by
16 means of threaded rods, rod clips and hangers.

17 D. All components, such as luminaries, access panels and speakers shall be fully
18 integrated with the system.

19 **25.5 STANCHION TRIM**

20 Stanchions shall be faced ceiling to deck covering with a flexible tambour, FORMICA
21 Corp., or equal. Color to be in accordance with the approved Color Boards.

22 **25.6 DOORS**

23 Doors and hardware shall be as set forth in Sections 4 and 21 of the Technical Specification.

24 **25.7 HANDRAILS**

25 Interior handrails shall be satin finished and unpainted stainless steel. Final details for proper
26 installation and rigidity shall be the responsibility of the Contractor.

1 **25.8 WINDOW SURROUNDS**

2 Window surrounds shall be cast in one (1) piece, sloping top and bottom with straight sides,
3 material to be fiberglass meeting U.S. Coast Guard regulations regarding resins, and shall be
4 finished and installed generally as shown on the approved Color Boards.

5 **25.9 JOINER SYSTEM**

6 Softcore bulkhead systems and linings shall be provided in **all** interior spaces on the
7 Passenger Deck and above that are normally accessible to the Passengers or Crew.

8 The interior of toilet and/or shower spaces in Officer and Crew Staterooms and areas shall be
9 constructed or finished using softcore bulkhead and lining systems.

10 Softcore bulkhead system partitions shall conform to the following:

- 11 • Physical dimensions: minimum 24 inches wide × 2 inches deep with no visible
12 horizontal joints
- 13 • Materials:
 - 14 i. Face material ~ Protective film
 - 15 ii. Cladding ~ PVC foil
 - 16 iii. Steel ~ Galvanized steel
 - 17 iv. Core material ~ Mineral wool, 30.075 lb./ft² minimum density
- 18 • Fire rating: B-15 (See the *DOORS* Subsection in Section 4 of the Technical
19 Specification for “A-15” Class door requirements)
- 20 • Acoustical: 32 dB
- 21 • Weight: 21-1/2 kg/m² or less
- 22 • Thermal insulation: 0.66 w/ m²
- 23 • Accessories: Galvanized steel

24 The bulkhead linings shall conform to the following:

- 25 • Physical dimensions: minimum 24 inches wide × 1 inch deep
- 26 • Materials:
 - 27 i. Face material ~ Protective film
 - 28 ii. Cladding ~ PVC foil
 - 29 iii. Steel ~ Galvanized steel

iv. Core ~ Mineral wool, 30.075 lb./ft² minimum density

- Fire rating: Not applicable
- Acoustical: 32 dB(A)
- Weight: 20 kg/m² or less
- Thermal insulation: 1.15 w/m²
- Accessories: Galvanized steel

Plastic laminate over sheathing shall be provided throughout the Men's, Women's, and Unisex Restrooms.

Fire rated plastic laminate lining shall be provided in the Passenger Elevators. See Section 23 of the Technical Specification.

Fire rated plastic laminates permanently attached to sheathing shall be provided with trim and molding painted to match.

25.10 BULKHEAD AND ARCHITECTURAL DETAILS

Wall guards and handrails shall be used in all passageways, corridors, foyers and stairways from the Lower Vehicle Deck and above. High impact bumper guards, corner guards and handrails shall be provided.

25.11 SCHEDULE OF COLOR SCHEMES

25.11.1 Vessel Class Theme

The Contractor shall provide interior décor, color schemes, Artwork, and Works of Art which amplify the Vessel Class Theme and individual Vessel Name for each Vessel.

25.11.2 Color Renderings

The Contractor shall prepare the following Color Renderings for guidance purposes only, to portray the use and extent of the material and color elements shown on the associated Contactor's Color Boards. Reference shall be made to the Contractor's Color Boards for actual materials and colors. These renderings are intended to depict in an authoritative manner the elements of actual arrangement, function, and space outfit, and shall depict the following area/spaces:

1. Pilothouse

- 1 2. All Passenger Lounges
- 2 3. Passenger Deck Passenger Restroom
- 3 4. Small Galley Area
- 4 5. Cafeteria Area
- 5 6. Officer's Stateroom
- 6 7. Crew Stateroom
- 7 8. EOS

8 **25.11.3 Color Boards**

9 The Contractor shall provide Color Boards indicating the color schemes, textures,
10 thickness, and other salient characteristics of all interior paints, deck coverings,
11 upholstery, linings, draperies and art work. The Contractor prepared Color Boards shall
12 be developed for the spaces listed in **TABLE 25-1**.

13 Color Boards indicating the color schemes to be used for interior decoration including
14 painting, deck coverings, upholstery and draperies shall be prepared by the Contractor.
15 Color boards shall be used for color layout and material selection only.

16 Samples of colors and materials shall be provided to the WSF Representative for review
17 and approval, from which no deviation shall be allowed without prior written approval of
18 the WSF Representative. *The intent is to have material and color commonality to the*
19 *greatest extent possible while allowing some "mix" of "highlight" colors for the four*
20 *(4) Vessels to vary from Vessel to Vessel. In addition, the intent is to use colors of deck*
21 *coverings and furniture coverings that will have a tendency to not show dirt and wear*
22 *to the greatest extent practicable.*

TABLE 25-1 COLOR BOARDS	
Color Board for Space:	Space Category
Corridors & Stair Towers	Passenger Space / Public
Embarkation Areas	Passenger Space / Public
Passenger Lounges	Passenger Space / Public
Cafeteria/Small Galley Areas	Passenger Space / Public
Restrooms	Passenger Space / Public / Crew Space
Pilothouse	Crew Space
Miscellaneous	Various
Purser Office/First Aid	Crew Space
Master's Stateroom	Crew Space
Staff Chief Engineer's Stateroom	Crew Space
Officer Staterooms	Crew Space
Crew Staterooms	Crew Space

25.12 SIGNAGE

Signage shall be in accordance with Section 24 of the Technical Specification to suit the Contractor's Design.

25.13 ARTWORK AND ACCESSORIES

Vessel two-dimensional Artwork amplifying the Vessel Class Theme and individual Vessel Name for each Vessel shall be provided as outlined below:

The Contractor shall provide, in its budget, eighty (80) man-hours, on the first Vessel only, during the Phase III Detailed Design stage of the Work to communicate with the Washington State Art Commission and WSF for assistance in identifying Artwork, Works of Art, and establishing suitable means and areas to display these works, for all four (4) Vessels under this Contract. Proposed Class Theme Artwork, and Works of Art items for each Vessel under this Contract shall be submitted to and approved by WSF prior to procurement. The Contractor shall provide a budget of \$65,000.00 USD, per Vessel, for Artwork and Works of Art, in addition to the above mentioned, one (1) time, 80 man-hours.

Selection of all Artwork and Accessories, and Works of Art addressed in the next Subsection shall be suited to amplify each Vessels individual décor theme.

All Artwork shall be suitably framed. Framing of Artwork shall be free of sharp edges, slivers or burrs which could inflict injury or damage. Metal frames shall be free of rust and coated to prevent corrosion. All Artwork shall be securely fastened to bulkheads with security devices designed to integrate with the frame.

Framed Art

Framed Art shall be provided as follows:

A. Passenger Lounge – twenty (20) pieces per End.

Picture and Poster Art shall be approximately 24 inches high × 32 inches wide, or 32 inches high × 24 inches wide, and framed in 1 inch minimum width metal frames with 3 inch minimum width single mats and tempered glass cover. The color and subject matter shall be as indicated on the approved color boards, with subject matter being Vessel theme appropriate.

Oversized Poster Art

Oversize Poster Art shall be provided as follows:

A. Passenger Deck Crew Dayroom - single piece.

B. Sun Deck Dayroom - single piece.

Oversized Poster Art shall be approximately 30 inches high × 50 inches wide, and framed in 1½ inch minimum width metal frames with plexi-glass cover and optional single mat. The color and subject matter shall be as indicated on the approved color boards, with subject matter being Vessel theme appropriate. See Section 19 of the Technical Specification for advertising modules, brochure racks, newspaper vending machine stowage, bulletin boards requirements.

Artwork provided under this Subsection, and the *WORKS OF ART* Subsection below shall be part of the \$65,000 USD per Vessel budget. Selection, procurement and installation of all Artwork, Works of Art, and displays shall be the end product of a collaboration between the Contractor and WSF, and meet the theme requirements set forth by the Vessel Class Theme and individual Vessel Names. WSF Representative final approval is required for all Artwork and Works of Art selections.

WSF may furnish, as Owner Furnished Equipment (OFE), certain Artwork, in addition to the Artwork and Works of Art provided herein, in the form of designs for bulkheads, aerial photos, Vessel naming history, and/or etched glass partitions. The Contractor shall incorporate this WSF furnished Artwork and any etched glass panels into partition glass installations on the Passenger Deck, as designated by the WSF Representative during the

selection, procurement, and collaboration between the Contractor and WSF spoken to below. The Contractor shall mat, frame, and, install WSF furnished Vessel aerial photos and Vessel naming history.

25.14 WORKS OF ART

This Subsection uses the same budget and process identified in the *ARTWORK AND ACCESSORIES* Subsection above, and is dedicated to procuring and installing Works of Art throughout the Vessel as required by law. These Works of Art are separate from those Artwork items specified in the *ARTWORK AND ACCESSORIES* Subsection in this Section of the Technical Specification, which are to be provided by the Contractor.

Works of Art are defined as three-dimensional items including, but not be limited to, approved Class Theme specific sculpture, memorabilia, curios, masks, drums, and other artifacts.

All Works of Art shall be protected and secured in lockable, tempered glass display cabinets with display lighting.

All special lighting and glass display cases identified solely for these Works of Art shall be part of the *ARTWORK AND ACCESSORIES* Subsection tasking above as to selection, budget, collaboration, and approval.

25.15 SPARE PARTS AND INSTRUCTION MANUALS

Provide material and installation manuals necessary to maintain and service the provided joiner system in accordance with the requirements of this Section and Sections 86 and 100 of the Technical Specification.

The Contractor shall provide the WSF Representative with spare joiner panels for use in repair after delivery. The equivalent of ten (10) panels per color/style of each type of joiner panel used during construction shall be provided for each Vessel.

25.16 PHASE II TECHNICAL PROPOSAL REQUIREMENTS

The following deliverables, in addition to others required by Section 100 and the Technical Specification and the Authoritative Agencies, shall be provided during the Phase II Technical Proposal stage of Work in accordance with the requirements of Section 100 of the Technical Specification:

A. Color Renderings

1 B. Color Boards (The Contractor's Color Boards shall contain samples of all actual
2 materials proposed by the Contractor, and intended locations for use.)

3 C. Ceiling Schedule

4 D. Joiner Systems Schedule

5 E. Furniture Cut-Sheets

6 ***Furniture Cut-Sheets*** shall be provided for the various furniture and furnishings required by
7 Section 19 of the Technical Specification.

8 See Section 100 of the Technical Specification for additional requirements regarding
9 technical documentation.

10 **25.17 PHASE III DETAIL DESIGN AND CONSTRUCTION REQUIREMENTS**

11 The following deliverables, in addition to others required by Section 100 and the Technical
12 Specification and the Authoritative Agencies, shall be provided during the Phase III Detailed
13 Design stage of Work in accordance with the requirements of Section 100 of the Technical
14 Specification:

15 A. Color Renderings

16 B. Color Boards (with "Construction" materials and samples)

17 C. Schedule of Artwork and Accessories, and Works of Art

18 D. Ceiling Panel Installation Details Cut-Sheets

19 E. Joiner Systems Installation Details Cut-Sheets

20 ***Arrangement Drawings*** in Section 100 of the Technical Specification shall show the extent
21 of ceiling and joiner systems, and salient characteristics of the associated materials (colors,
22 patterns, etc.) as intended for use throughout the Vessel.

23 ***Installation Details Cut-Sheets*** shall depict panel construction and installation details,
24 lighting systems integration details (for ceiling cut-sheets), details for air and heat diffuser
25 penetrations, and other salient interior design features. These cut-sheets may be vendor
26 supplied standard cut-sheets, except where project specific cut-sheets are known to be
27 necessary to properly relate the intended construction details for particular areas.

28 The ***Schedule of Artwork and Accessories*** shall be provided in booklet form. It shall include
29 photographs of all Artwork and the associated framing and matting details. The provisions

- 1 for Class Theme Artwork and Works of Art developed from communications with the Art
- 2 Commission (see the *ARTWORK AND ACCESSORIES* and *WORKS OF ART* Subsections in this
- 3 Section of the Technical Specification) shall be included in this booklet as a separate section.

- 4 See Section 100 of the Technical Specification for additional requirements regarding
- 5 technical documentation.

(END OF SECTION)